

## Recreational Interpretations

### **General**

The purpose of these interpretative ratings are to help engineers, planners, and others understand how soil properties influence behavior when used for recreational uses such as camp areas, picnic areas, playgrounds, and paths and trails. Soils are rated for the uses expected to be important or potentially important to users of soil survey information. Ratings for proposed uses are given in terms of limitations. Only the most restrictive features are listed. Other features may need to be treated to overcome soil limitations for a specific purpose.

Soils are rated in their "natural" state, that is, no unusual modification of the soil site or material is made other than that which is considered normal practice for the rated use. Even though soils may have limitations, it is important to remember that engineers and others can modify soil features or can design or adjust the plans for a recreational use to compensate for most degrees of limitations. Most of these practices are costly. The final decision in selecting a site for a particular use generally involves weighing the costs for site preparation and maintenance.

### **Limitation Ratings**

**SLIGHT** - is the rating given soils that have properties favorable for the use. The degree of limitation is minor and can be overcome easily. Good performance and low maintenance can be expected.

**MODERATE** - is the rating given soils that have properties moderately favorable for the use. This degree of limitation can be overcome or modified by special planning, design, or maintenance. During some part of the year, the expected performance is less desirable than for soils rated slight.

**SEVERE** - is the rating given soils that have one or more properties unfavorable for the rated use, such as steep slopes, bedrock near the surface, flooding, or a seasonal high water table. This degree of limitation generally requires major soil reclamation, special design, or intensive maintenance, which in most situations is difficult and costly.

Other important consideration for evaluating a site include:

- ✓ Location and accessibility of the area
- ✓ Size and shape of the area and its scenic quality
- ✓ The ability of the soil to support vegetation
- ✓ Access to water
- ✓ Potential water impoundment sites available
- ✓ Access to public sewer lines or capacity of the soil to absorb septic tank effluent.

### **Camp Areas**

These are tracts of land used intensively as sites for tents, trailers, campers, and accompanying activities of outdoor living. Camp areas require such site preparation as shaping and leveling in areas for tents and parking areas, for stabilizing roads and intensively used areas, and for installing sanitary facilities and utility lines. Camp areas

are subject to heavy foot traffic and some vehicular traffic. The soils are rated on the basis of soil properties that influence the ease of developing camping area and the performance of the camping area after development. Soil properties that influence trafficability and promote the growth of vegetation after heavy use are also important.

### ***Picnic Areas***

Picnic areas are natural or landscaped tracts used primarily for preparing meals and eating outdoors. These areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking lots. Soils are rated on the basis of properties that influence development costs of shaping the site, trafficability, and growth of vegetation after development. The surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

### ***Playgrounds***

These are areas used intensively for games such as baseball, football, and similar activities. Playgrounds require a nearly level soil that is free of stones and that can withstand heavy foot traffic and still maintain adequate vegetation. Soils are rated on the basis of properties that influence cost of shaping, trafficability, and growth of vegetation. Slope and stoniness are the main concerns in developing playgrounds. For good trafficability, the surface of playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

### ***Paths and Trails***

Paths and trails are used for walking, horseback riding, and similar uses, and should require little or no cutting and filling in site preparation. Soils are rated on properties that influence trafficability and erodibility. Paths and trails should remain firm under foot traffic and not be dusty when dry.

*This subsection includes:*

- **Recreational Site Development**

# Recreational Development

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
15000: BASEHOR-----	Severe: depth to rock	Severe: depth to rock	Severe: slope depth to rock	Slight	Severe: depth to rock
15001: BASEHOR-----	Severe: slope depth to rock	Severe: slope depth to rock	Severe: large stones slope depth to rock	Severe: slope	Severe: large stones slope depth to rock
15002: MCGIRK-----	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
40000: BARDEN-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Moderate: percs slowly slope wetness	Slight	Slight
40001: BOLIVAR-----	Slight	Slight	Moderate: slope depth to rock	Slight	Moderate: depth to rock
40002: LIBERAL-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Moderate: percs slowly slope wetness	Slight	Slight
46000: HUMANSVILLE----	Severe: flooding wetness	Moderate: flooding percs slowly wetness	Severe: flooding wetness	Moderate: flooding wetness	Severe: flooding
66000: MONITEAU-----	Severe: flooding wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
66001: DAMERON-----	Severe: flooding	Moderate: flooding	Severe: flooding	Moderate: flooding	Severe: flooding
70000: BONA-----	Moderate: percs slowly small stones	Moderate: percs slowly small stones	Severe: small stones	Slight	Moderate: large stones small stones droughty
70001: BONA-----	Moderate: slope percs slowly small stones	Moderate: slope percs slowly small stones	Severe: slope small stones	Slight	Moderate: slope large stones small stones droughty

## Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
70002: ALSUP-----	Moderate: percs slowly small stones	Moderate: percs slowly small stones	Severe: slope small stones	Slight	Moderate: large stones small stones
70003: ALSUP-----	Moderate: percs slowly slope small stones	Moderate: percs slowly slope small stones	Severe: slope small stones	Slight	Moderate: large stones slope small stones
70004: ALSUP-----	Severe: slope	Severe: slope	Severe: slope large stones small stones	Severe: slope	Severe: slope
70005: BLUEYE-----	Moderate: percs slowly slope small stones	Moderate: percs slowly slope small stones	Severe: slope small stones	Slight	Moderate: large stones small stones droughty
MOKO-----	Severe: small stones depth to rock	Severe: small stones depth to rock	Severe: slope small stones depth to rock	Moderate: large stones	Severe: large stones small stones depth to rock
70006: CRELDON-----	Severe: percs slowly	Severe: percs slowly	Severe: percs slowly	Moderate: wetness	Moderate: wetness
70007: CLIQUE-----	Moderate: slope percs slowly small stones	Moderate: slope percs slowly small stones	Severe: slope small stones	Slight	Moderate: slope small stones large stones
70008: GOSS-----	Moderate: small stones	Moderate: small stones	Severe: slope small stones	Slight	Moderate: small stones droughty
70009: GOSS-----	Moderate: slope small stones	Moderate: slope small stones	Severe: slope small stones	Slight	Moderate: large stones small stones slope droughty
70010: GOSS-----	Severe: slope small stones large stones	Severe: slope small stones large stones	Severe: slope small stones large stones	Severe: slope large stones	Severe: large stones slope small stones
70011: GOSS-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: large stones slope

## Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
70011: MOKO-----	Severe: small stones depth to rock slope	Severe: small stones depth to rock slope	Severe: slope small stones depth to rock	Severe: slope	Severe: large stones small stones depth to rock slope
70012: HOBERG-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Moderate: slope small stones wetness	Moderate: wetness	Moderate: wetness droughty
70013: MOKO-----	Severe: small stones depth to rock	Severe: small stones depth to rock	Severe: slope small stones depth to rock	Moderate: large stones	Severe: large stones small stones depth to rock
70014: MOKO-----	Severe: small stones depth to rock slope	Severe: small stones depth to rock slope	Severe: slope small stones depth to rock	Moderate: large stones slope	Severe: large stones small stones depth to rock slope
ROCK OUTCROP.					
70015: PEMBROKE-----	Slight	Slight	Moderate: slope	Slight	Slight
70016: GOODSON-----	Moderate: percs slowly	Moderate: percs slowly	Moderate: percs slowly small stones	Slight	Slight
70017: GOODSON-----	Moderate: percs slowly small stones	Moderate: percs slowly small stones	Moderate: percs slowly slope small stones	Slight	Moderate: small stones
70018: GOODSON-----	Moderate: slope percs slowly small stones	Moderate: slope percs slowly small stones	Severe: slope small stones	Slight	Moderate: slope small stones
70039: SACVILLE-----	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
73000: POMME-----	Slight	Slight	Moderate: slope small stones	Slight	Slight
73001: GLENSTED-----	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness

## Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
73002: OCIE-----	Moderate: small stones slope percs slowly	Moderate: small stones slope	Severe: slope small stones	Slight	Moderate: slope small stones
GATEWOOD-----	Moderate: slope small stones wetness percs slowly	Moderate: slope small stones wetness	Severe: slope small stones	Moderate: wetness	Moderate: large stones small stones wetness
73003: OCIE-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope
GATEWOOD-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope small stones
73004: OCIE-----	Severe: small stones slope	Severe: small stones slope	Severe: slope small stones large stones	Moderate: too cobbly slope	Severe: small stones slope
73005: OCIE-----	Moderate: slope small stones percs slowly	Moderate: slope small stones percs slowly	Severe: slope small stones	Slight	Moderate: slope small stones
73006: PERIDGE-----	Slight	Slight	Moderate: slope	Slight	Slight
73007: PLATO-----	Severe: percs slowly wetness	Severe: percs slowly	Severe: percs slowly wetness	Severe: erodes easily	Moderate: wetness droughty
73008: VIRATON-----	Severe: percs slowly	Severe: percs slowly	Severe: percs slowly	Moderate: wetness	Moderate: wetness droughty
73009: VIRATON-----	Severe: percs slowly	Severe: percs slowly	Severe: slope percs slowly	Moderate: wetness	Moderate: wetness droughty
73010: WILDERNESS-----	Moderate: small stones wetness	Moderate: small stones percs slowly wetness	Severe: small stones wetness	Moderate: wetness	Severe: droughty
74625: HARTVILLE-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Moderate: percs slowly slope wetness	Moderate: wetness	Moderate: wetness

Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
75375: HORSECREEK-----	Severe: flooding	Slight	Moderate: flooding	Slight	Moderate: flooding
75376: CEDARGAP-----	Severe: flooding	Moderate: small stones flooding	Severe: flooding small stones	Moderate: small stones	Severe: flooding
75377: RACKET-----	Severe: flooding	Moderate: flooding	Severe: flooding	Moderate: flooding	Severe: flooding
75378: STURKIE-----	Severe: flooding	Moderate: flooding	Severe: flooding	Moderate: flooding	Severe: flooding
99000. PITS, QUARRIES					
99001. WATER					
99003. MISCELLANEOUS WATER					